



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L566 1484-60217
Component
Rear Left Wheel Hub
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0263752	LH0263730	---
Sample Date		Client Info		11 Jan 2024	18 Apr 2023	---
Machine Age	hrs	Client Info		5070	3000	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	35	91	---
Chromium	ppm	ASTM D5185m	>8	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>5	2	<1	---
Lead	ppm	ASTM D5185m	>5	<1	0	---
Copper	ppm	ASTM D5185m	>50	8	▲ 68	---
Tin	ppm	ASTM D5185m		<1	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	MODER	▲ HEAVY	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

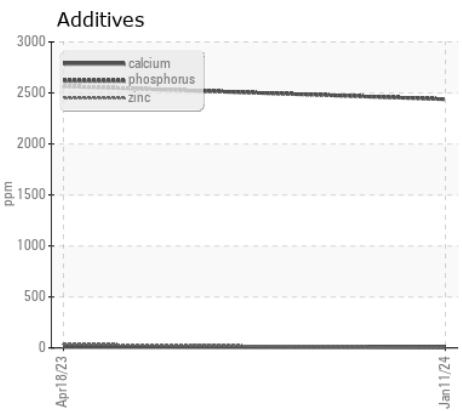
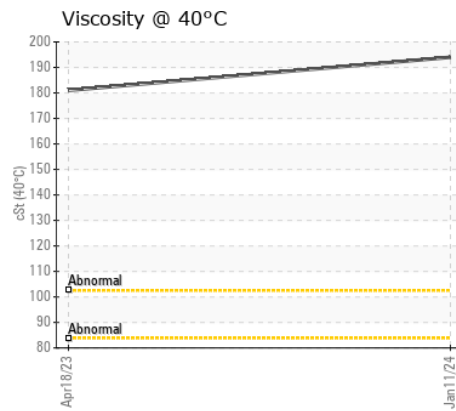
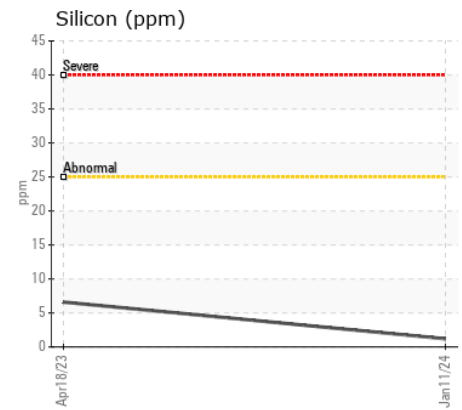
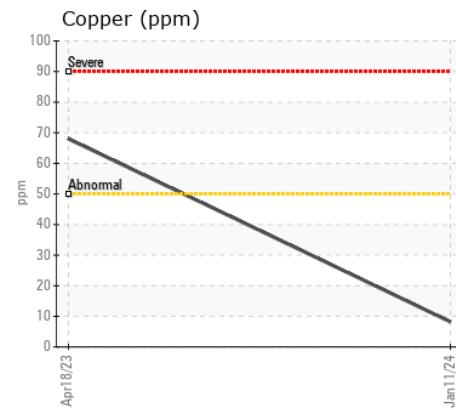
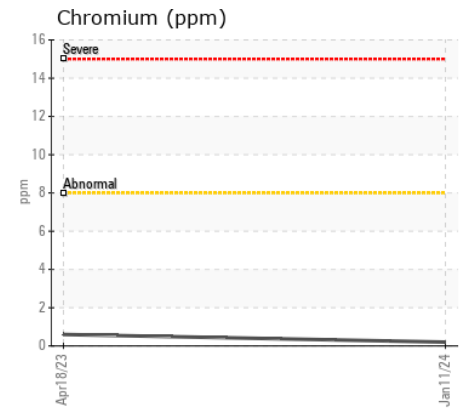
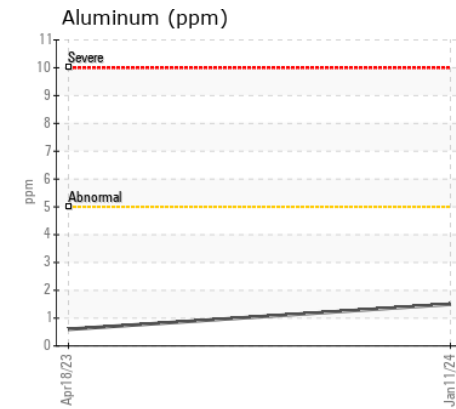
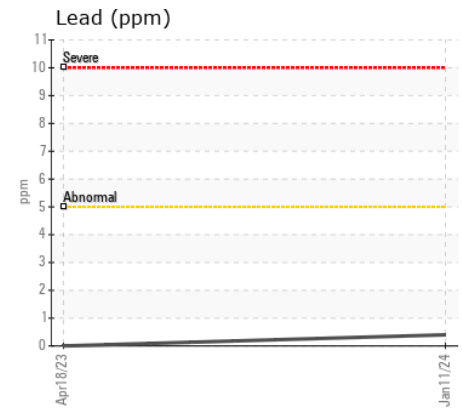
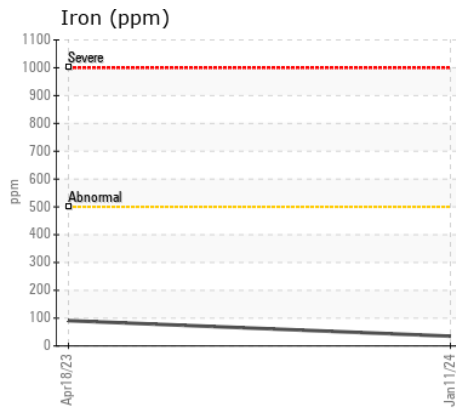
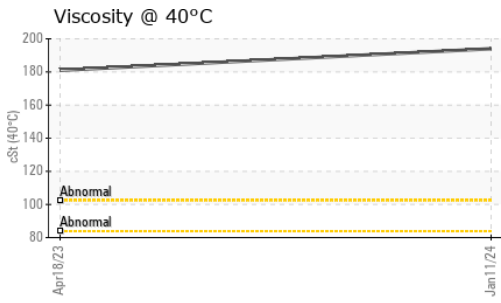
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	1	7	---
Potassium	ppm	ASTM D5185m	>20	1	1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	2	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		5	3	---
Manganese	ppm	ASTM D5185m		1	11	---
Magnesium	ppm	ASTM D5185m		<1	1	---
Calcium	ppm	ASTM D5185m		7	12	---
Phosphorus	ppm	ASTM D5185m		2438	2566	---
Zinc	ppm	ASTM D5185m		1	37	---
Sulfur	ppm	ASTM D5185m		30592	44244	---
Visc @ 40°C	cSt	ASTM D445		194	181	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LH0263752 **Received** : 12 Jan 2024
Lab Number : 06059647 **Diagnosed** : 14 Jan 2024
Unique Number : 10831029 **Diagnostician** : Wes Davis
Test Package : MOBCE

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

MR BULTS INC
 2627 E 139TH ST
 BURNHAM, IL
 US 60633

Contact: SERVICE MANAGER

T: (708)868-0059

F: